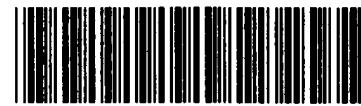


05/05/02

47



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/996,015

DATE: 05/20/2002

TIME: 15:54:52

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 4 Pena, Carol A. E.
 5 Li, Li
 6 Spaderna, Steven K.
 7 Leite, Marlo W.
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 10 Encoding Same
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 15 <141> CURRENT FILING DATE: 2001-11-28
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92 35 40 45
93 Ala Gln Pro Pro Ala Glu Thr Ala Asn Gly Thr Ser Glu Gln His Val
94 50 55 60
95 Arg Ile Arg Val Ile Lys Lys Lys Val Ile Met Lys Lys Arg Lys
96 65 70 75 80
97 Lys Leu Thr Leu Thr Arg Pro Thr Pro Leu Val Thr Ala Gly Pro Leu
98 85 90 95
99 Val Thr Pro Thr Pro Ala Gly Thr Leu Asp Pro Ala Glu Lys Gln Glu
100 100 105 110
101 Thr Gly Cys Pro Pro Leu Gly Leu Glu Ser Leu Arg Val Ser Asp Ser
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127 210 215 220
129 Met Asp Ala Val Phe Pro Ala Asn Ser Asp Pro Glu Thr Pro Val Leu
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132 Asn Leu Leu Pro Glu Pro Gln Val Ala Arg Phe Ile Arg Leu Leu Pro
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138 Ala Cys Pro Val Ser Asp Pro Asn Asp Leu Phe Leu Glu Ala Pro Ala
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141 Ser Gly Ser Ser Asp Pro Leu Asp Phe Gln His His Asn Tyr Lys Ala
142 290 295 300
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145 305 310 315 320
147 Arg Ile Tyr Ser Ile Gly Lys Ser Tyr Gln Gly Leu Lys Leu Tyr Val
148 325 330 335
150 Met Glu Met Ser Asp Lys Pro Gly Glu His Glu Leu Gly Glu Pro Glu
151 340 345 350
153 Val Arg Tyr Val Ala Gly Met His Gly Asn Glu Ala Leu Gly Arg Glu
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156 Leu Leu Leu Leu Met Gln Phe Leu Cys His Glu Phe Leu Arg Gly
157 370 375 380
159 Asn Pro Arg Val Thr Arg Leu Leu Ser Glu Met Arg Ile His Leu Leu
160 385 390 395 400
162 Pro Ser Met Asn Pro Asp Gly Tyr Glu Ile Ala Tyr His Arg Gly Ser
163 405 410 415
165 Glu Leu Val Gly Trp Ala Glu Gly Arg Trp Asn Asn Gln Ser Ile Asp
166 420 425 430
168 Leu Asn His Asn Phe Ala Asp Leu Asn Thr Pro Leu Trp Glu Ala Gln
169 435 440 445
171 Asp Asp Gly Lys Val Pro His Ile Val Pro Asn His His Leu Pro Leu
172 450 455 460
174 Pro Thr Tyr Tyr Thr Leu Pro Asn Ala Thr Val Ala Pro Glu Thr Arg
175 465 470 475 480
177 Ala Val Ile Lys Trp Met Lys Arg Ile Pro Phe Val Leu Ser Ala Asn
178 485 490 495
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181 500 505 510
183 Thr Pro Trp Ala Ala Arg Glu Leu Thr Pro Thr Pro Asp Asp Ala Val
184 515 520 525
186 Phe Arg Trp Leu Ser Thr Val Tyr Ala Gly Ser Asn Leu Ala Met Gln
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189 Asp Thr Ser Arg Arg Pro Cys His Ser Gln Asp Phe Ser Val His Gly
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PATENT APPLICATION: US/09/996,015

DATE: 05/20/2002

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201 Asn Asn Lys Asp Ala Leu Leu Thr Tyr Leu Glu Gln Val Arg Met Gly
202      610      615      620
204 Ile Ala Gly Val Val Arg Asp Lys Asp Thr Glu Leu Gly Ile Ala Asp
205 625      630      635      640
207 Ala Val Ile Ala Val Asp Gly Ile Asn His Asp Val Thr Thr Ala Trp
208      645      650      655
210 Gly Gly Asp Tyr Trp Arg Leu Leu Thr Pro Gly Asp Tyr Met Val Thr
211      660      665      670
213 Ala Ser Ala Glu Gly Tyr His Ser Val Thr Arg Asn Cys Arg Val Thr
214      675      680      685
216 Phe Glu Glu Gly Pro Phe Pro Cys Asn Phe Val Leu Thr Lys Thr Pro
217      690      695      700
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DATE: 05/20/2002

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PATENT APPLICATION: US/09/996,015 TIME: 15:54:53

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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